MCAS Open Response Practice Assignment

Follow the outline below exactly as it is stated.

Monday

Cold Read: Read the entire page - Everything! Read the title, the directions, bold faced words, all features of the text. Look at the pictures too! Preview the questions - all of the questions and every part of the question.

Tuesday

Hot Read: Reread the entire page again. Yes, I said again. This time use your active reading skills to mark up the text. Circle important vocabulary words, underline what the directions are asking you to do, on the side of the paper summarize what the directions are asking you to do, and write down any questions you might have about the assignment.

Wednesday

Reread: Reread the open response questions again. Organize your thoughts on a graphic organizer (included with the packet) or in outline form on a lined piece of paper (included with the packet). Remember to use key words underlined and to answer every part of the question.

Thursday

Answer the open response questions in the space provided on the page provided. Check off all of the answers to show that you answered each part of the question.

Friday

Pass in your full packet.

MCAS Open Response Practice Assignment

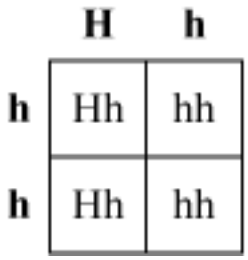
Reporting Category: Life Science
Standard: 7 - Recognize that every organism requires a set of instructions that specifies its traits. These instructions are stored in the organism's chromosomes. Heredity is the passage of these instructions from one generation to another.

In cats, a single gene codes for hair length. The form of the gene for short hair (**H**) is dominant to the form of the gene for long hair (**h**).

a Identify the structures where the gene for hair length is stored in the nucleus of a cell.

b What percentage of a mother cat's genetic information is inherited by her offspring?

A cat that has long hair (**hh**) is crossed with a cat that has short hair (**Hh**). The Punnett square below represents this cross.



	H	**h**
h	Hh	hh
h	Hh	hh

c Use the Punnett square to determine the probability that an offspring of these two cats will have long hair.

d Explain how you determined your answer to part (c).

Name:

Main Idea and Details

Main Idea:

Detail:	**Detail:**	**Detail:**

Summary:

CCSS.ELA-Literacy.RI 3.2 - 4.2 - 5.2

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X

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